211952US2

Marked-Up Copy

Serial No: <u>09/911,392</u>

Amendment Filed on: 5-13-03

IN THE CLAIMS

Please amend Claims 1 and 13 as shown below:

1. (Amended.) A piezoelectric resonator comprising:

a piezoelectric substrate;

a first vibrating electrode;

a second vibrating electrode;

a first pad; and

a second pad,

wherein:

said piezoelectric substrate is a hexahedron;

said first vibrating electrode is disposed on a first side of said piezoelectric substrate perpendicular to a thickness direction;

said second vibrating electrode is disposed on a second side of said piezoelectric substrate perpendicular to the thickness direction, and faces to said first vibrating electrode;

said first pad and said second pad are respectively disposed in [an] <u>predetermined</u> area having a small vibration displacement on at least one side of said piezoelectric substrate perpendicular to the thickness direction;

said first pad is made of an electrical conductor and electrically connected to said first vibrating electrode; and

said second pad is made of an electrical conductor and electrically connected to said second vibrating electrode.

- 13. (Amended.) A piezoelectric resonator component comprising:
- a piezoelectric resonator; and
- a substrate,

wherein said piezoelectric resonator is the piezoelectric resonator including:

- a piezoelectric substrate;
- a first vibrating electrode;
- a second vibrating electrode;
- a first pad; and
- a second pad,

wherein:

said piezoelectric substrate is a hexahedron;

said first vibrating electrode is disposed on a first side of said piezoelectric substrate perpendicular to a thickness direction;

said second vibrating electrode is disposed on a second side of said piezoelectric substrate perpendicular to the thickness direction, and faces to said first vibrating electrode;

said first pad and said second pad are respectively disposed in [an] <u>predetermined</u> area having a small vibration displacement on at least one side of said piezoelectric substrate perpendicular to the thickness direction;

said first pad is made of an electrical conductor and electrically connected to said first vibrating electrode; and

said second pad is made of an electrical conductor and electrically connected to said second vibrating electrode, and

wherein said substrate has at least two terminal electrodes on a surface thereof, and wherein said piezoelectric resonator is mounted on the surface of said substrate, and

said first pad and said second pad are connected to said two terminal electrodes.